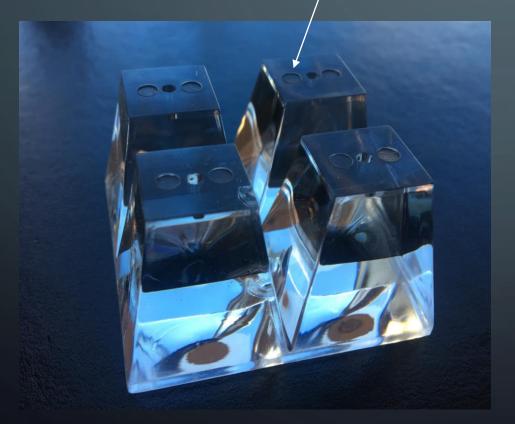


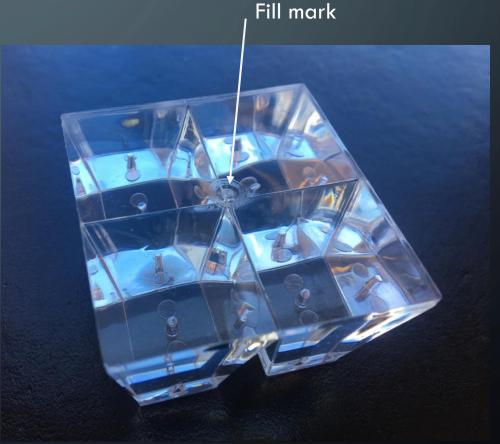
Received 100 injection molded "block 20" quad light guides from ProtoLabs

- \sim 2 Weeks delivery/turn around time!
- Clarity and surfaces look very good
- Evaluation and testing is ongoing

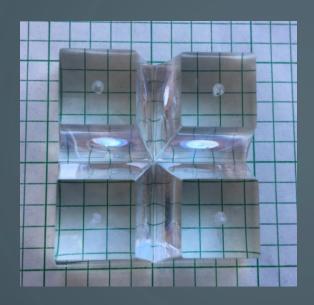
Mold/casting marks:

Ejection marks





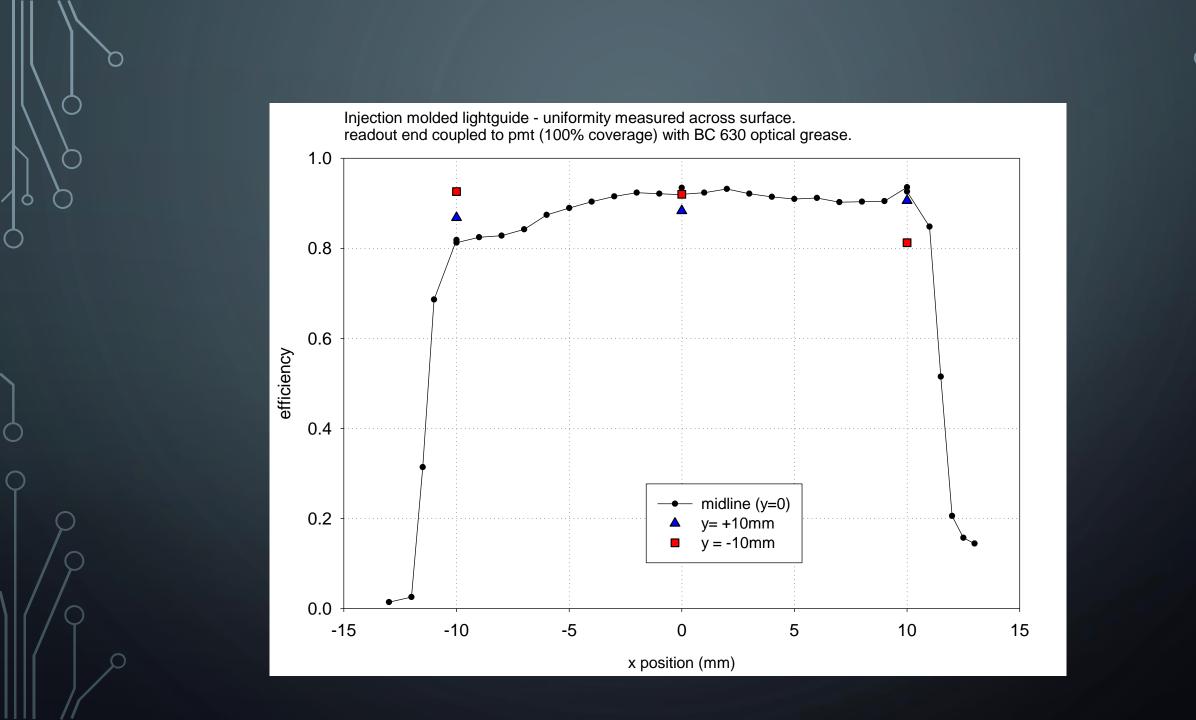
After machining/polishing Readout surface

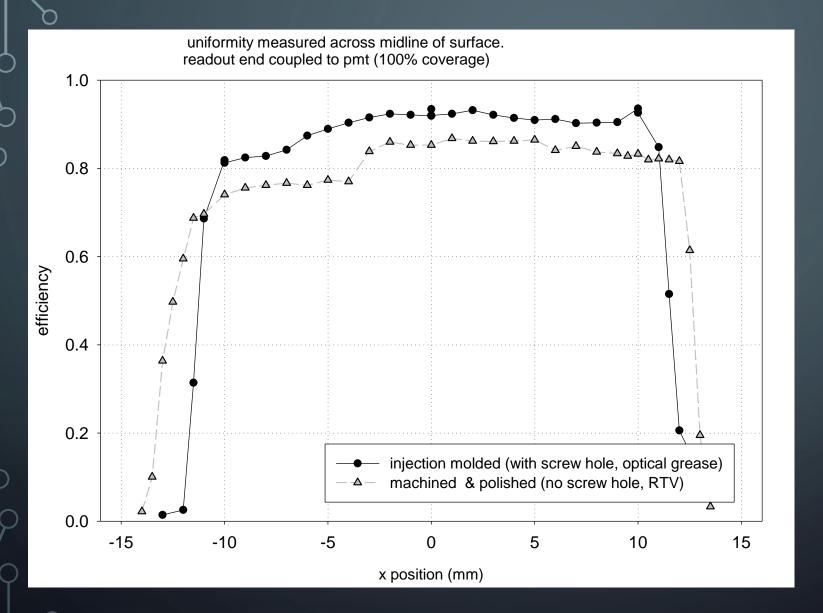


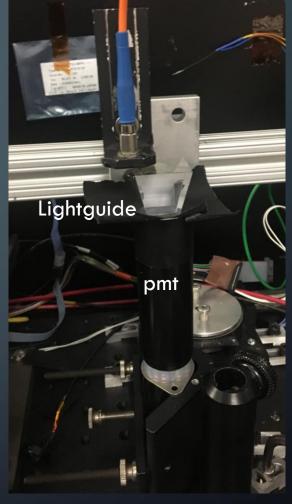
















Ongoing - measure uniformity of light collection using sipms on pcb to compare with pmt measurement.

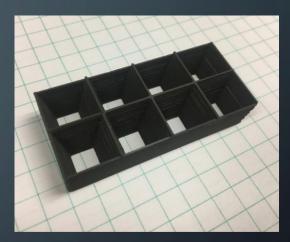
Fiber-bundling insert options-

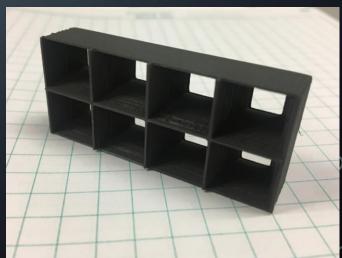
- tungsten impregnated plastic (4 g/cc) any benefit? or does it make the block response nonuniformity worse?
- Round or square bundles?
- light collection cavity is next

Measurements of first block ongoing...Martin is automating a second x-y scanning DAQ Test set up.









Cast (fiberless) blocks

"dumbbell" mold

Water soluble mold insert

